

26
Apr 05

H α SOLAR FLARES

APRIL 2005

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
HOLL	05	2004	2004	2009	S05	W44	10747	04	2.5	5	SF		3	E		13		F
HOLL	12	1718	1719	1724	N00	E77	10752	04	18.5	6	SF		3	E		12		F
HOLL	17	2059	2108	2119	S13	E77	10755	04	23.7	20	SF		3	E		34		F
HOLL	18	1457	1503	1510	N02	W07	10752	04	18.1	13	SF		3	E		18		F
HOLL	26	1811	1816	1821	S05	E62	10756	05	1.4	10	SF		3	E		22		F
HOLL		2004	2008	2016	S06	E65	10756	05	1.7	12	SF		3	E		20		F
HOLL	29	2037	2037	2053	S10	E17	10756	05	1.1	16	SF		3	E		38		F
HOLL	30	1258	1305	1307	S10	E09	10756	05	1.2	9	1F		3	E		179		E
HOLL		1823	1827	1836	S10	E04	10756	05	1.1	13	SF		3	E		20		F

"Remarks"

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| A = Eruptive prominence whose base is less than 90 degrees from central meridian. | O = Observations have been made in the H and K lines of Ca II. |
| B = Probably the end of a more important flare. | P = Flare shows Helium D3 in emission. |
| C = Invisible 10 minutes before. | Q = Flare shows Balmer continuum in emission. |
| D = Brilliant point. | R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material. |
| E = Two or more brilliant points. | S = Brightness follows disappearance of filament in same position. |
| F = Several eruptive centers. | T = Region active all day. |
| G = No visible spots in the neighborhood. | U = Two bright branches, parallel or converging. |
| H = Flare accompanied by high-speed dark filament. | V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase. |
| I = Active region very extended. | W = Great increase in area after time of maximum intensity. |
| J = Distinct variations of plage intensity before or after the flare. | X = Unusually wide H-alpha line. |
| K = Several intensity maxima. | Y = System of loop-type prominences. |
| L = Existing filaments show signs of sudden activity. | Z = Major sunspot umbra covered by flare. |
| M = White-light flare. | |
| N = Continuous spectrum shows effects of polarization. | |

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual

NOTE: Beginning with the February 2005 data, only H-alpha flares are included in this table. Because the number of H-alpha patrols are dwindling and emphasis is now on the X-ray flare reports, a separate table of solar X-ray flares is now produced.